

CIRCUITS AND METHODS FOR MATCHING DEVICE CHARACTERISTICS
FOR ANALOG AND MIXED-SIGNAL DESIGNS

Abstract of the Disclosure

Circuit designs and methods are provided for matching
5 device characteristics for, e.g., analog or mixed-signal
semiconductor integrated circuit designs. In particular,
circuit layout patterns and layout methods are provided
which enable precise or proportional matching of circuit
components by uniformly distributing circuit components in
10 a manner that eliminates or significantly minimizes the
sensitivity of such circuit components to environmental
effects and process variations, thereby improving the
performance of analog and mixed-signal circuits.